

26-3-2017

IEC Industrial Control

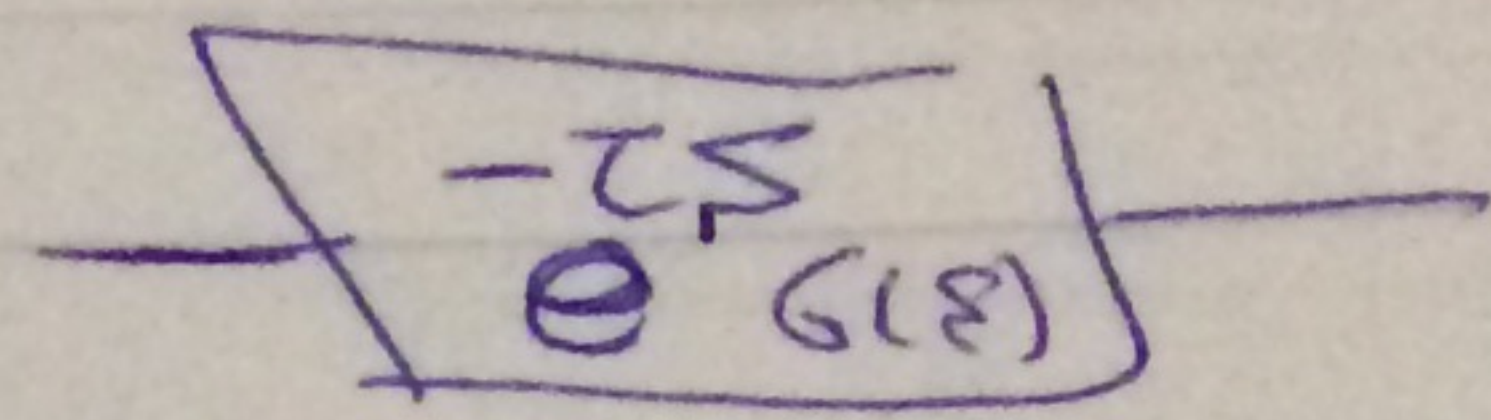
Smart Sensors

→ slide (12)

S/H - sample and holding

نمط استبداله

analogy signal + Delay



→ Mux. output is analogy signal.

→ smart refers to decision making.

→ Data Acquisition [output from sensors].

→ Sample Hold.

على سطح وتفرغ الكثف

لـ التفريغ نسبة ال Conductor بيسفلك

الطاقة في كس ال Super Conductor [توصله من 300 ك - 70° -]

Power Consuming

→ Smart Device (Sensors) : Processing على

لذلك استخدم (8085) بسيط - سهل - ارخص

في تصميم ال sensor .

→ Transducer - convert from energy to energy.

تحويل طاقة [مورد] للطاقة [مخرى]

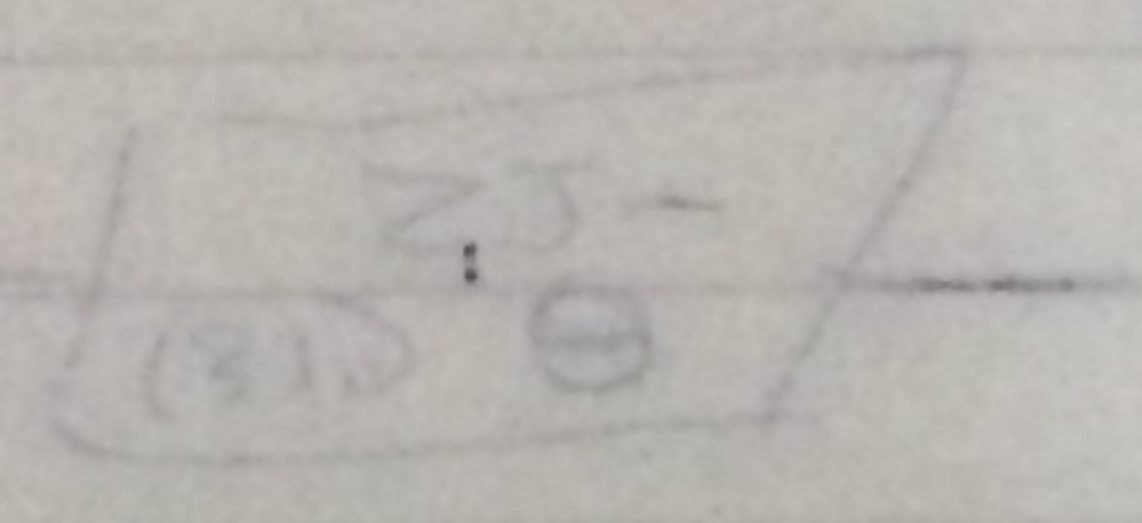
20-3-2017

Sensors + Interface hardware = Smart Sensors.

Smart Sensors

→ (1) Advantages

1. Sample and Hold



Output is signal + delay

→ Next, output is signal

→ Smart refers to decision making

→ Data Acquisition [output from sensors]

→ Sample Hold

1. High impedance input

2. High impedance output

3. Power consumption

→ Smart Device (Sensors)

Cost (low) and (high)

2. Low power

→ Smart Device (Sensors)

Cost (low) and (high)